

ATEE / BTP / SD / 05/22/22

- 1) 006-18-000041 - P3316 - 30 Lakh
- 2) 006-18-000032 - P3316 - 2.5 Lakh
- 3) 006-18-000034 - P3316 - 4.5 Lakh

Est: 100 Lakh

Original/Duplicate/Triplicate Indent no. 28388

First and Part Bill
Division: EE Byatarayanapura Div
Bill Received No. Date
Scheduled Doctd No. Cash Book Voucher No. dated

Package 3, includes 3 works of 100.00 Lakhs
1.Improvements to Road and Drains at Ashwath nagar cross roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division
2.Improvements to Road and Drains at Fathima Layout cross roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division
3.Improvements to Road and Drains at Saraipalya Vidyasagar cross roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

Name of Work (as per sanctioned estimate):

Name of Contractor and Full Address: M/S Benaka Developers and Projects Pvt Ltd D. Narahani
Reference to Work order No. BBMP/EE/BTP/WO/190/18-19 dt 14.12.2018

Certified that the measurement were taken by me on 14.02.2022 and recorded of pages: 536149-55

For Benaka Developers And Projects Pvt. Ltd.

Contractor :

Officer-In-Charge of work

Certified that the measurements were taken by me on 14/2/22 are found correct and the work is

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the II Memorandum of Payment

Sub-Division Officer

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being.....percent Rs.....		
3) Deduct amount to be held in Balance		
4) Deduct Payments:		
a) Amount of previous payment as in the office Cash Book Voucher No.....Dated.....S.D No.....		
Amount adjusted towards cash advance recovery of		
b) Payments cost store or other materials supplied		
Now made recovery of amount creditable to this/other work		
Amount paid on this bill Cheque/Cash		
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash advance made on the Office Cash Book Voucher No.....		
dated.....less adjustments		
7) Net amount due to or from contractor		
Unadjusted items		
8) Advance to contractor for materials brought to site (as detailed) with		
Value of Government materials supplied		

For Benaka Developers And Projects Pvt Ltd

Contractor's Signature

Received Rs.

by cash and by adjustment of Payment as per memorandum.
Witnesses: For Benaka Developers And Projects Pvt. Ltd.

Dated..... Signature of Contractor
Paid by me by cheque No. dated

Initials of Officer making payment

ಲೆಕ್ಕಪರಿಶೀಲಕೆ Special Development Interest Officer ರವರಿಗೆ
ಜಲ್ಲಾ ಮೊಬಲಗು ರೂ. 54,86,000/- ಗಳನ್ನು ಪಾವತು ಮಾಡಿದೆ
ಇದರಲ್ಲಿ ರೂ. 3,60,000/- ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ರೂ. 51,26,000/- ಗಳನ್ನು

FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

28/4/22

BRUHATH BANGALORE MAHANAGARA PALIKE

Byatarayanapura Division

Page 1

Name of Work (as per sanctioned estimate): Package 3, includes 3 works of 100.00 Lakhs

- | | |
|---|---|
| 1 | Improvements to Road and Drains at Ashwath nagar cross roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division |
| 2 | Improvements to Road and Drains at Fathima Layout cross roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division |
| 3 | Improvements to Road and Drains at Sarapalya Vidyaagar cross roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division |

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Number: D

Bill No :1st & Part Bill

Item No	Description of Item of Work	Unit	BOQ Qty	BOQ Rate	Present Measurement		Total Up to date		Remarks
					Qty	Amount	Qty	Amount	
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (P.No.5, L.No.2.3, of PW, P&I WTD SR 2016-17)	cum	130.00	216.07	0.00	0.00	0.00	0.00	
2	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.(P.No.4, L.No.2.11 of PW, P&I WTD SR 2016-17)	cum	97.50	86.88	0.00	0.00	0.00	0.00	
3	Providing and fixing PVC pipes 10.00 kg/sq.cm 200mm outer dia.(SI No. 3006 material component PWTD SR 2016-17)	L	325.00	1943.46	0.00	0.00	0.00	0.00	
4	Gate valve 25mm nominal bore-gun metal (SI No. 161 material component PWTD SR 2016-17)	No's	7.00	525.88	0.00	0.00	0.00	0.00	
5	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No.142, L.No.19.1 of PW, P&I WTD SR 2016-17)	Cum	844.62	201.59	502.78	1,01,355.00	502.78	1,01,355.00	
6	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, L.No.5.33 of PW, P&I WTD SR 2016-17)	Sqm	589.275	86.88	405.69	35,246.00	405.69	35,246.00	
7	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete.(P.No.25, L.No.5.31.1 of PW, P&I WTD SR 2016-17)	Sqm	321.975	717.94	0.00	0.00	0.00	0.00	



8	KSRRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 12/1.No. 4.2 of CSR 2016-17)	cum	108.57	5768.64	91.74	529215.00 5,29,202.00	91.74	529215.00 5,29,202.00
9	KSRRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.15 /1.No. 4.28 of CSR 2016-17)	Sqm	245.40	264.08	76.30	20,149.00	76.30	20,149.00
10	KSRRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.15 /1.No. 4.31 of CSR 2016-17)	Sqm	1841.60	334.96	788.40	2,64,082.00	788.40	2,64,082.00
11	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing, main and secondary beams (P.No.18 /1.No. 4.48 of CSR 2016-17)	cum	226.59	6720.93	77.94	523829.00 5,23,823.00	77.94	523829.00 5,23,823.00
12	KSRRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 (P.No.17 /1.No. 4.46.2 of CSR 2016-17)	Tonne	11.84	79475.96	3.61	286113.00 2,86,517.00	3.61	286113.00 2,86,517.00

13	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	75.60	5734.38	18.72	1,07,348.00	18.72	1,07,348.00	
14	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143 /I.No. 19.14 of CSR 2016-17)	cum	665.80	160.44	665.80	1,06,821.00	665.80	1,06,821.00	
15	M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&I/WTDR 2016-17)	cum	741.55	1906.87	741.55	14,14,039.00	741.55	14,14,039.00	
16	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kgsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&I/WTDR 2016-17)	Sqm	3114.00	32.01	3073.64	98,387.00	3073.64	98,387.00	
17	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machines complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&I/WTDR 2016-17)	Sqm	1494.00	3.43	325.62	1,117.00	325.62	1,117.00	

46,638.00

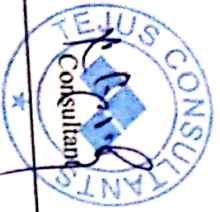
18	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&I WTD SR of 2016-17)	Sqm	4608.00 ✓	13.72 ✓	3399.25 ✓ 26	46,638.00 ✓	3399.25 ✓ 26	46,638.00 ✓	
19	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&I WTD S.R 2016-17)	cum	174.82 ✓	8642.67 ✓	135.97 ✓	11,75,146.00 ✓ 11,75,146.00	135.97 ✓	11,75,146.00 ✓ 11,75,146.00	
20	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&I WTD SR 2016-17)	Sqm	173.40 ✓	585.32 ✓	123.80 ✓	72,463.00 ✓	123.80 ✓	72,463.00 ✓	
21	KSRRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 .(P.No.23, I.No.5.6 of PW,P&I WTD SR 2016-17)	cum	5.76 ✓	4786.62 ✓	2.92 ✓	13,958.00 ✓ 13977	2.92 ✓	13,958.00 ✓ 13977	
22	KSRRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.113, I.No.15.1 of PW,P&I WTD SR 2016-17)	Sqm	9.60 ✓	110.89 ✓	0.00 ✓	0.00 ✓	0.00 ✓	0.00 ✓	

23	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2016-17)	cum	0.72	6220.21	0.72	4,479.00	0.72	4,479.00
24	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 300mm dia. (P.No.253, I.No.34.7.3 of PWD SR 2016-17)	L	30.00	1266.68	0.00	0.00	0.00	0.00
25	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	168.00	1959.63	168.00	3,29,218.00	168.00	3,29,218.00
26	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202	cum	5.76	502.26	0.00	0.00	0.00	0.00

27	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30, with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with superplasticiser @3% confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum) coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) ((P.No.177, I.No.22.6.1 of PW,P&I/WTDR SR 2016-17)	cum	81.15	6706.07	47.44	318136.00 3,18,107.00	47.44	318136.00 3,18,107.00	
28	Vacuum de-watering with vacuum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.177, I.No.22.7 of PW, P&I/WTDR SR 2016-17)	Sqm	811.50	102.89	374.59	38,541.00	374.59	38,541.00	
		Amount In Rs		Total	54,86,636.00		54,86,636.00		
		Rupees Fifty Four Lakh Eighty Six Thousand Six Hundred Sixty Only			54,86,636.00		54,86,636.00		

Certificate:

- 1 Certified that the contractor has done the work satisfactorily
- 2 Certified that the debris has been removed from the site
- 3 Certified that the No dues from the contractor
- 4 Certified that the above item of the work were not claimed in any other bill



Assistant Engineer
TEJUS CONSULTANTS
10/10/2016

Assistant Executive Engineer
TEJUS CONSULTANTS
10/10/2016, 10/10/2016-24